

Title (en)
ROBOTICALLY CONTROLLED STEERABLE CATHETERS

Title (de)
ROBOTISCH GESTEUERTE LENKBARE KATHETER

Title (fr)
CATHÉTERS DIRIGEABLES À COMMANDE AUTOMATIQUE

Publication
EP 2615992 A2 20130724 (EN)

Application
EP 11761231 A 20110916

Priority

- US 201113174638 A 20110630
- US 201113174605 A 20110630
- US 201113174563 A 20110630
- US 201113174536 A 20110630
- US 201113174455 A 20110630
- US 201113173994 A 20110630
- US 201161482598 P 20110504
- US 38422010 P 20100917
- US 2011052013 W 20110916

Abstract (en)
[origin: US2012071752A1] System and methods for interfacing user in the control of elongated flexible members for use inside a patient's body is described herein. In one embodiment, a system includes a processor configured for generating a virtual representation of a catheter on a viewing screen, a first control for allowing a user to rotate the virtual representation of the catheter about a first axis, until a heading direction of the virtual representation of the catheter aligns with a heading direction of the catheter as it appears in a first fluoroscopic image, and a second control for allowing the user to rotate the virtual representation of the catheter about a second axis, until a tilt angle of the virtual representation of the catheter aligns with a tilt angle of the catheter as it appears in the first fluoroscopic image or in a second fluoroscopic image.

IPC 8 full level
A61B 34/20 (2016.01); **A61B 46/10** (2016.01)

CPC (source: EP US)
A61B 6/12 (2013.01 - EP US); **A61B 6/4423** (2013.01 - EP US); **A61B 8/12** (2013.01 - EP US); **A61B 8/4218** (2013.01 - EP US); **A61B 34/20** (2016.02 - US); **A61B 34/30** (2016.02 - EP US); **A61B 34/35** (2016.02 - EP US); **A61B 34/37** (2016.02 - EP US); **A61B 34/71** (2016.02 - EP US); **A61B 34/74** (2016.02 - EP US); **A61B 46/10** (2016.02 - EP US); **G06T 19/00** (2013.01 - EP US); **A61B 6/487** (2013.01 - EP US); **A61B 8/0841** (2013.01 - EP US); **A61B 34/25** (2013.01 - EP US); **A61B 90/361** (2013.01 - EP US); **A61B 2017/00991** (2013.01 - EP US); **A61B 2034/102** (2016.02 - EP US); **A61B 2034/301** (2016.02 - EP US); **A61B 2034/303** (2016.02 - US); **A61B 2034/715** (2016.02 - EP US); **A61B 2034/742** (2016.02 - EP US); **G06T 2210/41** (2013.01 - EP US)

Cited by
US12011594B2; US11660147B2; US11298195B2; US11717147B2; US11925332B2; US10765487B2; US11497568B2; US11602372B2; US10881280B2; US10850013B2; US11937779B2; US11877814B2; WO2020041619A3; EP2637592B1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2012071752 A1 20120322; EP 2615992 A2 20130724; EP 2615992 B1 20160720; EP 3175813 A1 20170607; EP 3175813 B1 20200108; US 10130427 B2 20181120; US 10555780 B2 20200211; US 11213356 B2 20220104; US 2012071821 A1 20120322; US 2012071822 A1 20120322; US 2012071894 A1 20120322; US 2012071895 A1 20120322; US 2012191107 A1 20120726; US 2015142013 A1 20150521; US 2019105110 A1 20190411; US 2020163726 A1 20200528; US 2022168049 A1 20220602; US 2024041537 A1 20240208; US 8827948 B2 20140909; US 8961533 B2 20150224; US 9314306 B2 20160419; WO 2012037506 A2 20120322; WO 2012037506 A3 20130502

DOCDB simple family (application)
US 201113174638 A 20110630; EP 11761231 A 20110916; EP 16180007 A 20110916; US 2011052013 W 20110916; US 201113173994 A 20110630; US 201113174455 A 20110630; US 201113174536 A 20110630; US 201113174563 A 20110630; US 201113174605 A 20110630; US 201514603836 A 20150123; US 201816165375 A 20181019; US 202016746728 A 20200117; US 202117538225 A 20211130; US 202318378799 A 20231011